

## WHAT IS CLAIMED IS:

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1. A facsimile machine, comprising:  
a detection unit detecting transition points in image data; and  
an adjustment unit coupled to the detection unit, adjusting the image data according to the detected transition points.
  2. The facsimile machine of claim 1, wherein the image data are coded data that have not yet been expanded into bit-mapped image data, and by detecting said transition points from the coded data, the detection unit detects positions of margins.
  3. The facsimile machine of claim 1, wherein the adjustment unit adjusts the image data by adjusting a printing position of the image data in a horizontal scanning direction.
  4. The facsimile machine of claim 1, wherein the adjustment unit adjusts the image data by zooming the image data.
  5. The facsimile machine of claim 4, wherein the adjustment unit zooms the image data by adding an offset to horizontal coordinates of said transition points, then multiplying by a zoom ratio.
  6. The facsimile machine of claim 5, wherein the adjustment unit changes said offset once per horizontal scanning line.
  7. The facsimile machine of claim 5, wherein the

adjustment unit assigns a random value to said offset.

8. The facsimile machine of claim 5, wherein the adjustment unit assigns a fixed value to said offset in areas with comparatively few said transition points, and assigns a random value to said offset in areas with comparatively many said transition points.

9. The facsimile machine of claim 8, wherein the adjustment unit distinguishes between said areas with comparatively few said transition points and said areas with comparatively many said transition points within each said horizontal scanning line.

10. A method of processing image data, representing an image of a page, in preparation for printing of the image data by a facsimile machine having predetermined printing margins, comprising the steps of:

(a) detecting margins in the image of said page from the image data;

(b) comparing the detected margins with the printing margins of the facsimile machine; and

(c) modifying the image data according to differences between the detected margins and the printing margins.

11. The method of claim 10, wherein said image data comprise run-length data.

12. The method of claim 10, wherein said step (c) comprises repositioning the image of said page.

13. The method of claim 10, wherein said step (c) comprises zooming the image of said page.

14. The method of claim 13, wherein said step (c) further comprises the steps of:

15. The method of claim 14, said step (c) further comprises the step of:

16. The method of claim 14, wherein said step (c) further comprises the steps of:

(i) assigning a randomly varying value to said offset in said first areas; and

(j) assigning a fixed value to said offset in said second areas.

17. The method of claim 16, wherein said step (h) includes counting said transitions in each horizontal line of picture elements in the image of said page, said offset having a single value in each said horizontal line.

18. The method of claim 16, wherein said step (h) includes comparing distances between said transitions with a predetermined threshold, thereby enabling said offset to

19. The method of claim 10, wherein the detected margins include a left detected margin and a right detected margin, the printing margins include a left printing margin and a right printing margin, and step (c) further includes the steps of:

(1) shifting the image of said page rightward if the left printing margin exceeds the left detected margin and the right printing margin does not exceed the right detected margin; and

(m) shifting the image of said page leftward if the right printing margin exceeds the right detected margin and the left printing margin does not exceed the left detected margin.

